

Analytical Laboratory

13339 Hagers Ferry Road Huntersville, NC 28078-7929 McGuire Nuclear Complex – MG03A2 Phone: 704-875-5245 Fax: 704-875-4349

Job Summary Report

Job I	Number:	10-JAN-(0042			
Pro	ject Name:	NPDES 1 st Week				
Custo	mer Name:	J.R. Woo	od			
	Copy To:	Sue Walla	nce			
Custome	er Address:	Miami-Fort				
Lab Contact:		Therona James				
Lab Contact Phone:		704-875-4795				
Report Authorized By: (Printed Name)		THERONA JAMES	S			
Report Authorized By: (Signature)	I herna James Date: 1/21/10					
		0	, ,			

Data Package

This data package includes analytical results that are applicable only to the samples described in this narrative. An estimation of the uncertainty of measurement for the results in the report is available upon request. This report shall not be reproduced, except in full, without the written consent of the Analytical Laboratory. Please contact the Analytical Laboratory with any questions. The order of individual sections within this report is as follows:

Job Summary Report
Analytical Laboratory Certificate of Analysis
Analytical Laboratory QC Reports (if applicable)
Sub-contracted Laboratory Results
Customer Specific Data Sheets, Reports & Documentation (if applicable)
Customer Database Entries
Test Case Narratives
Chain of Custody (COC)



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Certification

The Analytical Laboratory holds the following Certifications:

New York State Department of Health Certification # 11717(NELAC)
North Carolina Department of Health & Human Services Certification # 37804
South Carolina (DHEC) Laboratory ID # 99005
North Carolina (DENR) Certification # 248

Analytical results listed in this report may not be certified by the authorities referenced above. Contact the Analytical Laboratory for definitive information about the certification status of specific methods. The results meet all requirements of NELAC except where deviations are noted in this report.

Data Flags

Any analytical tests or individual analytes within a test flagged with an "X" or a "1" indicate a deviation from the method quality system or quality control requirement.

Calculations

All results are reported on a wet weight basis unless otherwise noted.

Sample ID's & Descriptions:

			-
FORT	1/04/2010	MARK HARPER	OUTFALL 002
FORT	1/05/2010	MARK HARPER	OUTFALL 608
		-, -, -, -, -, -, -, -, -, -, -, -, -, -	



NA=Not applicable

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Job Summary Report Validation of Analytical Data Package

	i) ii) iii) iv)	COC and .pdf report are in agreement with sample totals and analyses (compliance programs and procedures). All results are less than the laboratory reporting limits. All laboratory QA/QC requirements are acceptable. NPDES and TCLP results are below permit or regulatory limits respectively.					Yes Yes Yes Yes	□ No □ No □ No	
	If iv) above is No, document below:								
Variable Result Limit			Notes						
									· · · · · · · · · · · · · · · · · · ·
	v) Components of the Job Summary Report arranged in order stipulated on page one. Indicate components included:								
	F	Job Summary	_	• • • .			Customer Specific Documentation (if a		Reports &
	Analytical Laboratory Certificate of Analysis						Customer Database	Entries	
		Analytical La (if applicable	e)	- , -		W 20 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	Test Case Narrative	es	
		Sub-contracte	ed Laborato	ry Results		V	Chain of Custody		
	vi)	Notes and Ad	lditional I	nformatic	on			wisterne z sorozonia nazwij nazwe	eller onde general over the selection of



Certificate of Laboratory Analysis

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Job # 10-JAN-0042

Analytical Laboratory Page 4 of 6 2 Samples 17 Tests Included in this Report

MIAMI FORT

Lab ID: 30000110

Sample Desc: OUTFALL 002

Sample Collected: 1/4/2010 09:30:00

Collected By: MARK HARPER

Customer ID: WOOD / WALLACE

Date Initiated in Lab: 1/5/2010 09:28:21

TOTAL DISSOLVED SOLIDS (EPA)

Data Posted: 1/7/2010 16:07:43

Method: SM2540D

Reporting Limit

TDS

860 mg/L

10

Flag

Lab ID: 30000111

Sample Desc: OUTFALL 608

Customer ID: WOOD / WALLACE

Sample Collected: 1/5/2010 09:00:00

Collected By: MARK HARPER

Date Initiated in Lab: 1/5/2010 09:31:03

ALKALINITY (FIXED END POINT 4.5)

Data Posted: 1/15/2010 10:41:22 Reporting Limit Flag

Data Posted: 1/12/2010 15:20:26

Method: SM2320B

ALKALINITY

1000 mg-CaCO3/L

0.10 Data Posted: 1/12/2010 15:20:26

Method: EPA 200.8/6020

ARSENIC BY ICP-MS (DIGESTED)

ARSENIC

3.30 ug/L

Reporting Limit 1.00

Flag

BARIUM BY ICP-MS (DIGESTED)

BARIUM

165 ug/L

Reporting Limit 1.00

Flag

Method: EPA 200.8/6020

BORON BY ICP (DIGESTED)

BORON

316 mg/L

Data Posted: 1/12/2010 15:56:37 Reporting Limit 1.00

Flag

0

Method: EPA 200.7/6010B

CADMIUM BY ICP-MS (DIGESTED)

CADMIUM

1.00 ug/L

Reporting Limit

Data Posted: 1/12/2010 15:20:27

Method: EPA 200.8/6020

1.00

Reporting Limit

Flag n

Data Posted: 1/11/2010 12:57:16

500

Flag 0

Data Posted: 1/12/2010 15:20:28

CHROMIUM

CHLORIDE

7.40 ug/L

7000 mg/L

Reporting Limit 1.00

Method: EPA 200.8/6020

Method: EPA 200.8/6020

Method: EPA 300.0

COPPER BY ICP-MS (DIGESTED)

CHROMIUM BY ICP-MS (DIGESTED)

COPPER

1.30 ug/L

Reporting Limit

Data Posted: 1/12/2010 15:20:29 Flag

Flag

0

1.00

0

FLUORIDE (IC)

CHLORIDE (IC)

FLUORIDE

23 mg/L

Reporting Limit 10

Data Posted: 1/11/2010 12:57:17 Flag

IRON BY ICP (DIGESTED)

IRON

0.0580 mg/L

Reporting Limit

Data Posted: 1/12/2010 15:56:37 Flag

Method: EPA 200.7/6010B

Method: EPA 300.0

0.0100



Certificate of Laboratory Analysis This report shall not be reproduced, except in full.

Job # 10-JAN-0042

Analytical Laboratory Page 5 of 6
2 Samples 17 Tests
Included in this Report

MIAMI FORT

Lab ID: 30000111

Sample Desc: OUTFALL 608

Customer ID: WOOD / WALLACE

Sample Collected: 1/5/2010 09:00:00	Collected	By: MAI	RK HARPER D	ate Initiated in	n Lab: 1/5/2010 09:31:03
LEAD BY ICP-MS (DIGESTED)			Data Posted: 1/12/20	10 15:20:30	Method: EPA 200.8/6020
			Reporting Limit FI	ag	
LEAD	< 2.00	ug/L	2.00	0	
MANGANESE BY ICP (DIGESTED)		,	Data Posted: 1/12/20	10 15:56:37	Method: EPA 200.7/6010B
			Reporting Limit FI	ag	
MANGANESE	0.144	mg/L	0.0550	0	
SULFATE (IC)			Data Posted: 1/11/201	10 12:57:18	Method: EPA 300.0
			Reporting Limit FI	ag	
SULFATE	3200	mg/L	500	0	
TOTAL DISSOLVED SOLIDS (EPA)		***************************************	Data Posted: 1/7/201	0 16:07:44	Method: SM2540D
			Reporting Limit FI	ag	
TDS	19000	mg/L	10	0	
TOTAL SUSPENDED SOLIDS (EPA)			Data Posted: 1/7/201	0 16:56:16	Method: SM2540D
			Reporting Limit Fl	ag	
TSS	26	mg/L	4.0	0	
ZINC BY ICP-MS (DIGESTED)			Data Posted: 1/12/201	10 15:20:30	Method: EPA 200.8/6020
,,			Reporting Limit Fl	ag	
ZINC	5.30	ug/L	1.00	0	

Analytical Laboratory
Page 6 of 6
Customer must Complete Ollegoog 110000 LAB USE ONLY 8)Project ID: 9)Seal/Locked By 5)Business Unit: 1)Project Name)Relinquished By 11Lab ID Miami-Fort - J.R. Wood, Sue Wallace ished By Duke Energy_{s...} Customer to complete appropriate columns to right Desktop No. **MIAMI-FORT NPDES Monthly** (Monthly Sampling - January 5) ¹²Chem tomer to sign & date below - fill out from left to right. 9)Activity ID: 6)Process: **Duke Energy Analytical Laboratory** Mail Code MGO3A2 (Building 7405) 1-5-10 ¹³Sample Description or ID 13339 Hagers Ferry Rd Huntersville, N. C. 28078 Fax: (704) 875-4349 0 Date/Time **9 0940** Date/Time Date/Time Date/Time (704) 875-5245 Outfall 608 Outfall 002 otto 7)Resp. Center To: 4)Fax No: 10)Mail Code: 12000 10) Seal/Lock Opened By 8)Accepted By: 12)Seal/Lock Opened ¥. 15-10 ora 1-4-10 0420 PO# LIMS# appropriate non-shaded areas. .ogged By 10-JKW-0042 Date Customer to complete all ¹⁴Collection Information Time Analytical Laboratory Use Only Signature Cooler Temp (C)

15Preserv.:1=HCL
2=H₂SO₄ 3=HNO₃ 5=None (C) ¹⁷Comp. ¹⁶Analyses Date/Time Date/Time Required Opte/Time ¹⁸Grab × × ō TDS Water__X__ CI, F, SO4 Water SAMPLE PROGRAM 0770 _ As,Fe, Ba, B, RCRA Waste Mn, Zn, Cd, Pb, Cr, ယ Cu _ TSS, Alkalinity **Customer, IMPORTANT!** Drinking UST Ground NPDES Please indicate desired turnaround. ²²Requested Turnaround *7 Days *Other •48 Hr 14 Days * Add. Cost Will Apply DISTRIBUTION ORIGINAL to LAB COPY to CLIENT

CHAIN OF CUSTODY RECORD AND ANALYSIS REQUEST FORM